SHEET 1 OF 4

INFORMATION DISCLOSURE CITATION PTO-144					ATTY. DOCKET NO. A-67640-1/RFT		RIAL NO. 166,298			
					APPLICANT Kim et al.					
					FILING DATE October 5, 1998	GR( <del>164</del>	OUP 15/64/	1		
U.S. PATENT DOCUMENTS										
EXAMINER'S INITIALS		PATENT NO.	DATE		NAME	CLASS	SUBCLASS	FILING	DATE	
MO	Α	5,460,811	10/1995	Goeddel et	al.					
mo	В	5,516,515	05/1996	Vellucci et	al.				•	
				EODEIGN	PATENT DOCUMENTS					
EXAMINER'S		l i		POREIGNE	ATENT DOCUMENTS		1	Transla	ation	
INITIALS		PATENT NO.	DATE		COUNTRY	CLASS	SUBCLASS	Yes	No	
(w)	С	0 563 487	10/1993	EP						
MD	D	93/20187	10/1993	PCT					<u> </u>	
MO	Е	95/07716	03/1995	PCT						
_										
						<del></del> , <del>.</del>				
			,							
-										
EXAMINER	<i>→</i>	lanare	n-	D.	ATE CONSIDERED	······	<del></del>			
	- / 1	ware	01	<u>)                                    </u>	4/8/0/					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE			ATTY. DOCKET NO. A-67640-1/RFT	SERIAL NO. 09/166,298				
			APPLICANT Kim et al.					
		PTO-1449	FILING DATE October 5, 1998	GROUP 1644				
		OTHER DOCUMENTS (Including	Author, Title, Date, Pertin	ent Pages, Etc.)				
NVO	1	Liebert, "Nomenclature of the Human Interferon Genes," J. Interferon Research, 13:443-444 (1993						
W	2	Abramovich et al., "Differential Tyrosine Phosphorylation of the IFNAR Chain of the Type I Interferon Receptor and of an Associated Surface Protein in Response to IFN- $\alpha$ and IFN $\beta$ ," EMBO Journal, 13(24):5871-5877 (1994).						
140	3	Abramovich et al., "Human IFN-α Receptor Detected by Two Monoclonal Antibodies," J. Interferon Research, 12(supp. 1):S217 (Sept. 9 - Oct. 2, 1992 Annual Mtg., international Society for Interferon Res.) (1992).						
NO	4	Benoit, et al., "A Monoclonal Antiboo 150:707-716 (1993).	dy to Recombinant Human	IFN-β, and IFN-Omega," J. Immunol,				
MO	5	Capon, et al., "Two Distinct Families of Human and Bovine Interferon -α Genes are Coordinately Expressed and Encode Functional Polypeptides," Molecular & Cellular Biology, 5:768-779 (1985).						
	6	Chuntharapai, et al., "Structure-Function Studies of Human Interferon -α Receptor II Using Mabs," FASEB Journal, (Abst. #1877), 10(6):A1325, (April 30, 1996).						
4	8	Cleary, et al., "Knockout and Reconstitution of a Functional Human Type I Interferon Receptor Complex," Journal of Biological Chemistry, 269(29):18747-18749 (1994).						
w	9	Cohen, "Ligand-Induced Association of the Type I Interferon Receptor Components," Mol. Cell Biol. 15:4208 (1995).						
100	10	Cohen, et al., "Cloning, Expression and Biological Activity of a New Variant of Human Interferon α Identified in Virus Induced Lymphoblastoid Cells," Dev. Biol. Standard, 60:111-122 (1995).						
NO	11	Colamonici, et al., "Study of the Structure of the IFN-α2 Receptor by Anti-IFNα2 Receptor Antibodies and Affinity Cross-Linking," j. Interferon Res., (Abst. 118-6, Annual Int. Society for Interferon Res. Mtg., Nov. 14-18, 1990). 10(Suppl. 1):S158.						
New	12	Colamonici, et al., "Identification of a Novel Subunit of the Type I Interferon Receptor Localized to Human Chromosome 21," Journal of Biological Chemistry, 268(15):10895-10899 (1993).						
ND	13	Colamonici, et al., "Characterization of three Monoclonal Antibodies that Recognized the Interferon α2 Receptor," Proc. Natl. Acad. Sci., 87:7230-7234 (1990).						
MO	14	Colamonici et al., "Multichain Structure of the IFN - $\alpha$ Receptor on Hematopietic Cells," J. Immunol., 148(7):2126-2132 (1992).						
NW	15	Constantinescu, et al., "Role of Interferon $\alpha\beta$ Receptor Chain 1 in the Structure and Transmembrane Signaling o9f the Interferon $\alpha\beta$ Receptor Complex," Proc. Natl. Acad. Sci., 91:9602-9606 (1994).						
·	_							
EXAMINER			ATE CONSIDERED /					
	DATE CONSIDERED 0/							

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.8085 1449A.FRM (8/95)

SHEET 3 OF 4

INFOR	3 N / L	ATION DISCHOSURE	ATTY. DOCKET NO. A-67640-1/RFT	SERIAL NO. 09/166,298				
	11417	CITATION NO 22 2000 2	APPLICANT Kim et al.					
		PTÒ-1449	FILING DATE October 5, 1998	GROUP 1643-1644				
		OTHER DOCUMENTS (Including A	Author, Title, Date, Pertine	ent Pages, Etc.)				
MO	16	Croze et al., "The Human 'Type Inter 33168 (1996).	feron Receptor'", Journal	of Biol. Chemistry, 271:33165-				
MD	17	Domanski et al., "Cloning and Expression of a Long Form of the $\beta$ Subunit of the Interferon $\alpha\beta$ Receptor that is Required for Signaling," Journal of Biol. Chemistry, 270(37):21606-21611 (1995).						
NA	18	Domanski et al., "The Type-I Interferon Receptor. The Long and Short of it," Cytokine and Growth Factor Rev., 7:143-151 (1996).						
MD	19 ——	Eid & Tovey, "Characterization of a I in Ligand Binding," J. Interferon & Cy		Interferon Receptor Protein Involved (1995).				
MO	20	Goeddel et al., "The Structure of Eigl Nature, 290:20-26 (1981).	ht Distinct Cloned Human	Leukocyte Interferon cDNAs,"				
MO	21	Hauptmann et al., "A Novel Class of Human Type I Interferons," Nucleic Acids Research, 13(13):4739-4749 (1985).						
MO	22	Ling et al., "Human Type I Interferon Receptor, IFNAR, is a Heavily Glycosylated 120-130 kD Membrane Protein," J. Interferon & Cytokine Res., 15:56-61 (1995).						
MO	23	Lu et al., "Structure-Function Studies of IFN-αR Using Mabs Binding to Different Epitopes," 9th International Congress of Immunology, (July 23-29, 1995) Abst. 713:121 (1995).						
w	24	Muller et al., "Functional Role of Type I and Type II Interferon in Antiviral Defense," Science, 264:1918-1921 (1994).						
w	25	Navarro et al., "Immunohistochemical Detection of the Type I Interferon Receptor in Human Fetal, Adult, and Neoplastic Tissues," Modern Pathol., 9:150-156 (1996).						
W	26	Novick et al., "Antibodies to IFN-α Receptor," J. Interferon Research, (Nov. 3-8, 1991 Annual Mtg., International Society for Interferon Research) 11 (Supp. 1): s203 (1991).						
140	27	Novick et al., "The Human Interferon $\alpha\beta$ Receptor: Characterization and Molecular Cloning," Cell, 77:391-400 (1994).						
MO	28	Novick et al., "Monoclonal Antibodies to the Human IFN-α Receptor: Blocking of the Biological Activities of IFN-α and Purification of the Receptor,: J. Interferon Res., (Abst. P3-6, Nov. 14-18, 1988 Annual Mtg., International Society for Interferon Res.) 8(Supp. 1):s93 (1988).						
100	29	Platanias et al., "Differences in Interferon $\alpha$ and $\beta$ Signaling," Journal of Biological Chemistry, 271:23630-23633 (1996).						
M	30	Roselen et al., "Detection of Functional Interferon Alpha Receptors in Human Neuroendocrine Tumor Cell Lines Using a New Monoclonal Antibody," Eur. Cytokine Netw., 3(2):81-88 (1992).						
140	31	Russell-Harde et al., "Baculovirus Expression of the Human Interferon $\alpha/\beta$ Receptor and Characterization Using Monoclonal Antibodies," J. Interferon Res., (Poster Presentation 2: Receptors, Abst. PW2-1, Annual Mtg. of ISICR on the Inte.) 13(Suppl. 1):s78 (1993).						
pro	) 32	Biol. Chemistry, 270(44):26033-2603	36 (1995).	Site for Type I Interferons," Journal of				
EXAMINER DATE CONSIDERED DATE CONSIDERED								

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INIEOE	) N /I C	ATION DISCLOSURE	ATTY. DOCKET NO. A-67640-1/RFT	SERIAL NO. 09/166,298						
INFOR	1IVI <i>F</i>	CITATION UN 22 200 E	APPLICANT Kim et al.							
		PTO-1449	FILING DATE October 5, 1998	GROUP 4643. 1644						
OTHER DOCUMENTS (Including Author, Title) Date, Pertinent Pages, Etc.)										
rig	33	Sagawa et al., "Identification of the Monoclonal Antibody Recognizing Receptor(s) for Interferonalpha, -beta, or -gamma," Tissue Antigens., (4th International Conference on Human Leukocyte Differ. Antigens) 33(2):331 (1989).								
m	34		Schellekens et al., "Factors inhibiting IFN activity," Biother., 8:199-204 (1996).							
M	35	Scott et al., "Production of Antibody to Human Interferon-Alpha Receptor Proteins," Hybridoma (abstract only) 5(1):81 (1986).								
N.	36	Taniguchi et al., "Construction and Identification of a Bacterial Plasmid Containing the Human Fibroblast Interferon Gene Sequence," Proc. Japan Acad., 55(Ser. B):464-469 (1979).								
	37	Taniguchi et al., "The Nucleotide Sed (1980).	Taniguchi et al., "The Nucleotide Sequence of Human Fibroblast Interferon cDNA,"Gene, 10:11-15							
20	38	Tovey et al., "Role of the Type I Interferon in Allograft Rejection," J. Leukocyte Biol., 59:512-517 (1996).								
MO	39	Uze et al., "Genetic Transfer of a Functional Human Interferon $\alpha$ Receptor into Mouse Cells: Cloning and Expression of its cDNA," Cell, 60:225-234 (1990).								
W	40	Uze et al., "Murine Tumor Cells Expressing the Gene for the Human Interferon αβ Receptor Elicit Antibodies in Syngeneic Mice to the Active Form of the Receptor," European Journal of Immunology, 21:447-451 (1991).								
· MO	41	Weissmann, et al., "The Interferon Genes," Progress in Nucleic Acid Research & Molecular Biology, Academic Press Vol. 33:251-300 (1986).								
•	-									
			<u> </u>	·····						
			· ·							
		·								
EXAMINER DATE CONSIDERED										

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SHEET 1 OF 1

INFORMATION DISCLOSURE CITATION OFF PTO-1449 AUG 1 1 200					ATTY. DOCKET A-67640-1/RFT			IAL NO. 166,298			
					APPLICANT Kim et al.						
					FILING DATE October 5, 1998	3	GRC 164	OUP 4	AECEIVED  AUG 21 2000		
	48. g		惺	PA	TENT DOCUMENTS	A	23 d 20 20		AUG 27	m	
EXAMINER'S INITIALS		PATENT NO.	DATE	EMARK S	NAME `	CI	LASS	SUBCLASS	ECH CENTER 1600/2900		
					· · · · · · · · · · · · · · · · · · ·						
				FOREIGN F	PATENT DOCUMENTS		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	TO 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 30	
EXAMINER'S		DATENT NO	DATE	,			0.400	011001.400	Translation		
INITIALS		PATENT NO.	DATE	DOT	COUNTRY	CI	LASS	SUBCLASS	Yes	No	
M	1	97/41229	11/1997	PCT		,					
•											
					1						
	-			<u>.</u>						· ·	
-				[						<del>-</del>	
-											
		OTHER	DOCUMENTS	S (Including	Author, Title, Dat	e, Pertin	ent Pa	ages, Etc.)	* * * *		
CW.	2	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  Chuntharapai, A. et al., "Determination of Residues Involved in Ligand Binding and Signal Transmission in the Human IFN-α Receptor 2," The Journal of Immunology, 163:766-773 (1999).									
W	3	Lu et al., "Structure-Function Study of the Extracellular Domain of the Human IFN-α Receptor (hIFNAR1) Using Blocking Monoclonal Antibodies: The Role of Domains 1 and 2," The Journal of Immunology, 160:1782-1788 (1988)									
ND	. 4 . :	Chuntharapei A, et al., "Structure-Function studies of human Interferon-a Receptor It Using Mabs" poster, presented at the 1996 Joint Meeting of the International Cytokine Society and the International Society for Interferon and Cytokine Research (October 6-10 1996).									
							_				
		c .									
EXAMINER	$\overline{C}$	Maire	and I		ATE CONSIDERED	201					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

8085 1449A.FRM (8/95)